

PARENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 02 130 WO	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT CH 03/00809	International filing date (day/month/year) 09/12/2003	(Earliest) Priority Date (day/month/year) 10/12/2002
Applicant AEE SCHWEIZ AG		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

contained in the international application in written form.

filed together with the international application in computer readable form.

furnished subsequently to this Authority in written form.

furnished subsequently to this Authority in computer readable form.

the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. Certain claims were found unsearchable (See Box I).

3. Unity of invention is lacking (see Box II).

4. With regard to the **title**,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:
INSULATED GATE SEMICONDUCTOR DEVICE AND METHOD OF MAKING THE SAME

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

as suggested by the applicant.

because the applicant failed to suggest a figure.

because this figure better characterizes the invention.

6 _____

None of the figures.

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International application No.

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Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

An insulated gate semiconductor device comprising a semiconductor substrate (1) having a top surface and an insulated gate (21,22) formed on the top surface from a layered structure (2) that comprises at least one electrically insulating layer (22), wherein at least one strip (41, 42) of the layered structure (2) is disposed on an area of the top surface between an edge of the insulated gate (21,22) and a first main contact (6). A manufacturing method for an insulated gate semiconductor device comprising the steps of forming a cell window (3) in said layered structure (2), forming at least one process mask (51) that partially covers the cell window (3) and extends to at least partially cover said at least one strip (41, 42) of the layered structure said at least one strip (41, 42) serving as an edge for the at least one process mask (51).

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International Application No

PCT/NL 03/00809

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01L29/739 H01L21/331 H01L29/423 H01L29/417

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 012, no. 069 (E-587), 3 March 1988 (1988-03-03) -& JP 62 211955 A (MITSUBISHI ELECTRIC CORP), 17 September 1987 (1987-09-17) abstract; figures 1A-11 ---	1,2 ✓
A	PATENT ABSTRACTS OF JAPAN vol. 012, no. 099 (E-594), 31 March 1988 (1988-03-31) -& JP 62 229977 A (TOSHIBA CORP), 8 October 1987 (1987-10-08) abstract; figures 1A-1D, 2A-2D ---	1,2 ✓
A	US 5 703 383 A (NAKAYAMA K) 30 December 1997 (1997-12-30) column 10, line 65 -column 11, line 28; figures 11,12 -----	1-3 ✓

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

° Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

- *&* document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

18 February 2004

26/02/2004

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/03/00809

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 62211955	A 17-09-1987	NONE	
JP 62229977	A 08-10-1987	NONE	
US 5703383	A 30-12-1997	JP 3338276 B2 JP 8340103 A JP 2002329867 A	28-10-2002 24-12-1996 15-11-2002